



PROPOSED AMENDED RULE (PAR) 1111 – REDUCTION OF NO_x EMISSIONS FROM NATURAL-GAS-FIRED, FAN-TYPE CENTRAL FURNACES



Thursday, May 22, 2014

1:30 p.m.

SCAQMD Headquarters

21865 Copley Drive

Diamond Bar, CA 91765

Auditorium

Purpose of This Meeting

The South Coast Air Quality Management District (SCAQMD) has scheduled a public workshop to present and solicit information and suggestions from the public regarding **Proposed Amended Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces**. Proposed Amended Rule (PAR) 1111 is tentatively scheduled for a Public Hearing before the SCAQMD Governing Board on September 5, 2014.

Rule Background

Rule 1111 was adopted by the SCAQMD Governing Board in December 1978, amended in 1983 and required furnaces with a heat input of less than 175,000 Btu per hour, or for combined heating /cooling units, a cooling rate of less than 65,000 Btu per hour to meet a NO_x emission limit of 40 nanograms per Joule (ng/J) of heat output (55 ppm at a reference level of 3% oxygen) beginning January 1, 1984. In November 2009, Rule 1111 was amended by the SCAQMD Board and established a new lower NO_x emission limit of 14 ng/Joule (20 ppm at 3% oxygen). At the time Rule 1111 was amended in 2009, there were no commercially available units meeting the future effective limits.

Immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology

Advancement Office initiated a Request for Proposals to develop prototype residential furnaces that meet the new 14 ng/J NO_x limit in Rule 1111. Prototype furnaces were developed through four projects that demonstrated the new lower Rule 1111 NO_x limit and safety requirements are achievable in all of the types of forced air residential heating furnaces produced for the United States market. However, there remain issues relating to product design, materials of construction, combustion control, and manufacturing that each company must resolve.

Proposed Amendments and Objectives

SCAQMD staff is proposing to amend Rule 1111 to add a mitigation fee-based compliance option to allow up to three years delay for those manufacturers that require additional time to produce furnaces that meet the 14 ng/Joule emission limit. PAR 1111 also delays the compliance date for condensing units until January 1, 2015. Staff is also requesting comments regarding other alternatives, including but not limited to, delays of other compliance dates.

Up to 0.16 tons per day of NO_x emission reductions may be lost as a result of PAR 1111. However, the proposed mitigation fee can potentially generate equivalent emission

reductions and mitigate the potential air quality impacts of PAR 1111.

California Environmental Quality Act

Pursuant to the California Environmental Quality Act (CEQA) and SCAQMD's Certified Regulatory Program (Rule 110), the SCAQMD is preparing a Notice of Preparation/Initial Study (NOP/IS) for Proposed Amended Rule 1111. The NOP/IS serves two purposes: 1) to solicit information on the scope of the environmental analysis for the proposed project, and 2) to notify the public that the SCAQMD will prepare a Draft Environmental Assessment (EA) to further assess potential environmental impacts that may result from implementing the proposed project. The proposed project may have statewide, regional or area-wide significance; therefore, a CEQA scoping meeting is required (pursuant to Public Resources Code §21083.9(a)(2)). The public workshop will serve as a CEQA scoping meeting for the proposed actions.

Comments received at the public workshop/CEQA scoping meeting on the environmental analysis will be considered when preparing the EA. When released, the NOP/IS will be available for public comment and review for 30 days. Upon completion of the public review and comment period for the NOP/IS, responses to comments received relative to the NOP/IS will be prepared and incorporated into the Draft EA that will be subsequently prepared and circulated for a 45-day public review and comment period.

Comments and suggestions regarding the CEQA analysis for the proposed project should be directed to:

Mr. Jeffrey Inabinet
Planning, Rule Development & Area Sources
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765
Phone: (909) 396 – 2453
Fax: (909) 396 – 3324
Email: JInabinet@aqmd.gov

Available Supporting Documents

The following supporting documents will be available on or before the date of the public workshop:

- Preliminary Draft Proposed Amended Rule 1111; and
- Preliminary Draft Staff Report for Proposed Amended Rule 1111.

To Obtain Copies of the Above Documents

Copies of the proposed rule and the preliminary draft staff report will be available on or before the date of the public workshop and may be obtained from:

Mr. Derrick Alatorre
Public Advisor's Office
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765
(909) 396-2039

Submission of Documents or Comments

You are invited to attend the meeting and may also send comments, documents or other information relevant to the proposed rule and proposed amended rules listed above to:

Wayne Barcikowski
Planning, Rule Development and Area Sources
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765
(909) 396-3077
wbarcikowski@aqmd.gov

Written comments on this rule should be submitted by June 5, 2014.